



**Bureau of Construction &
Materials**
Structural Materials Section

Fillet Weld Soundness Test (FWST) Results
AWS D1.5-95 Section 5.10

FWST No: _____ Date Welded: _____

Contractor (Fabricator) _____

Prepared by: _____

T1 Thickness _____

T2 Thickness _____

Filler Metal Specification _____

Filler Metal Classification _____

Shielding Gas _____

Flux Mfg. Designation _____

Voltage _____

(use mean voltage of WPS to be qualified)

Amperage/WFS* _____

(use mean amperage/WFS* of WPS to be qualified)

Polarity _____

Position of Welding _____

* wire feed may be used in lieu of current when a correlation curve is provided for the same electrode diameter and electrode extension.

TEST RESULTS (per 5.19.3.1)

	Maximum Size Single Pass	Minimum Size Multiple Pass
	Weld Size _____	Weld Size _____
Weld Size Acceptable	_____	_____
No Cracking	_____	_____
Thorough Fusion	_____	_____
Weld Profile per 3.6	_____	_____
No undercut > 1/32 inch	_____	_____

Note: Fillet weld soundness tests are required in addition to groove weld PQRs to qualify fillet welds. A fillet weld macroetch test shall be made for each WPS and position to be used in construction. Test Plate D shown in Figure 5.8 of AWS D1.5-95 shall be used.

Preparer's Signature: _____